



## Typification of the names and taxonomic status of selected vascular plant taxa described by Max Eugen Heinrich Grütter

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Max Eugen Heinrich Grütter (30 March 1865–31 March 1897) was a German botanist interested in floristics and taxonomy of vascular plants and mosses (Abromeit 1897). He conducted intensive floristic studies on the territory of the former West and East Prussia, especially in the former West Prussian Province Schwetz (now north-central Poland) where he lived in the small village of Luschkowko (Grütter 1892, 1895a, 1895b, 1895c, 1897). His numerous findings had been frequently cited in “*Flora von Ost- und Westpreussen*” by Abromeit *et al.* (1898–1940). In 1890–1891, in the course of the floristic expeditions in the former West Prussian Province Schwetz, Grütter found interesting vascular plants which he deemed as new to science. The names of these taxa were validly published in *Deutsche botanische Monatsschrift* (Grütter 1892).

In 2014, during the taxonomic revision on herbarium materials stored at the Herbarium of Institute of Ecology and Environment Protection of Nicolaus Copernicus University in Toruń (TRN), the original herbarium specimens of three of the vascular plant described by Grütter (1892) were found. The names of these taxa are typified and their current taxonomic status is given. Unfortunately, the types of three other validly published names, *Carex ericetorum* var. *tenella* Grütter (1892: 69), *Lepidium ruderales* f. *incanum* Grütter (1892: 68), and *Verbascum nigrum* f. *leucerion* Grütter (1892: 69), have not been found during the revision, and they seem to be lost or destroyed.

### ***Pulsatilla vernalis* f. *glabrescens* Grütter (1892: 67).**

Lectotype (designated here):—POLAND. Westpreussen, Kreis Schwetz: Abgeholtze Waldfläche des Schewinkoer Waldes bei Blondzmin, 12 Apr 1890, M.E. Grütter s.n. (TRN!).

Status: This name is a heterotypic synonym of *Anemone vernalis* Linnaeus (1753a: 538).

### ***Anemone sylvestris* f. *biflora* Grütter (1892: 68).**

Neotype (designated here):—POLAND. Westpreussen, Kreis Schwetz: bei Topolinken, May 1893, M.E. Grütter s.n. (TRN!).

Status: This name is a heterotypic synonym of *Anemone sylvestris* Linnaeus (1753a: 540).

### ***Artemisia vulgaris* var. *macrocephala* Grütter (1892: 68).**

Lectotype (designated here):—POLAND. Westpreussen, Kreis Schwetz: bei Luschkowko, 20 Sep 1890, M.E. Grütter s.n. (TRN!).

Status: This name is a heterotypic synonym of *Artemisia vulgaris* Linnaeus (1753b: 848).

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